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## Earthwool® Underfloor Insulation Roll

### Description

Knauf Insulation's Earthwool Underfloor roll is faced with a black glass wind wash barrier and is made from highly resilient, inorganic glass fibres bonded with ECOSE® Technology, a revolutionary new binder based on rapidly renewable materials instead of petro-based chemicals. ECOSE Technology reduces binder embodied energy and contains no added phenol, formaldehyde, acrylics or artificial colours.

### Application

Earthwool Underfloor roll provides a cost-effective thermal and acoustical barrier for energy-efficient construction. The consistent quality, low dust, and clean-cutting resilient glasswool makes installation fast. Earthwool Underfloor roll can be used in timber frame applications in residential and commercial structures. These applications include thermal and acoustical treatments to floors.

### Performance

#### Thermal Conductivity

ASTM C 518 and AS/NZS 4859.1: 2002

#### Thermal Resistance

ASTM C 653 and AS/NZS 4859.1: 2002

### Technical Data

#### Water Vapour Absorption (ASTM C 1104)

- Less than 5% by weight.

#### Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

#### Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

#### Fire Resistance (AS 1530.1)

- Non-combustible.



**EARTHWOOL**  
the feel good glasswool insulation

with **ECOSE**  
TECHNOLOGY

## Earthwool® Underfloor Roll

### Specification Compliance

AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings and comply with the Building Code of Australia (BCA) requirements.

### Bio-solubility

The formulation used for Earthwool insulation has been independently assessed to meet the requirements of the stringent Note Q standard (and is therefore consistent with the highest Australian and New Zealand industry standards), and also assessed by Knauf Insulation against the criteria of the Australian Safety and Compensation Council ASCC Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 3rd Edition]. As a result of this assessment, Earthwool insulation is not classified as hazardous according to the NOHSC criteria.

### Features and Benefits

#### Proven Performance

- Wind wash barrier for improved thermal performance.
- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustical properties reduce sound transmission.

#### Durability

- Earthwool insulation is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

#### Superior Handling

- Packs contain two 600mm wide rolls which can be split for easy installation under the floor.
- Highly resilient insulation recovers quickly to full thickness for a snug fit and superior finished aesthetics.
- Consistent quality materials feel good, cut easily and install fast.
- Low dust for easier handling and increased productivity.

#### Convenient Packaging, Easier Handling

- Earthwool insulation is packaged in a strong, white bag that offers excellent protection from abuse, dust and moisture.
- Earthwool insulation packages feature easy to follow installation instructions.
- MasterBag insulation units (containing multiple packs) ensure reduced handling costs with improved compression – more square metres per bag, more square metres per truck load, fewer trips to the job site and less warehouse space for storage.

#### Superior Service and Support

- Knauf Insulation is totally focused on providing first class customer service, producing high quality product and 'on time in full' deliveries.
- Knauf Insulation supports a professional network of distributors and re-sellers in order to service a growing insulation market.
- Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.

Knauf Insulation's Earthwool products with ECOSE® Technology benefit from a formaldehyde-free binder based on rapidly renewable materials instead of petro-based chemicals which is up to 70% less energy intensive. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Earthwool products made with ECOSE Technology contain no dye or artificial colours – the colour is completely natural.



For more information please visit  
[www.knaufinsulation.com.au](http://www.knaufinsulation.com.au)

## Earthwool® Underfloor Roll

### Environmental

- Earthwool Underfloor roll is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment.
- Earthwool Underfloor roll manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.

Product Code	Thickness (mm)	R-Value	Length (mm)	Width (mm)	Rolls per Pack	Area per pack (m <sup>2</sup> )	Weight per pack (kg)
492704	75	1.7	10000	1200	2 (600mm wide rolls)	12	11.3

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